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About Dirac strings

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Dirac strings are related to spin. A Dirac string can unite a monopole and an antimonopole in a loop. A monopole and an antimonopole exist in the five dimensional universe and mark the beginning and the end of an event.

When a Dirac string rotates it creates time varying potentials and sometimes nonconservative and this is the case during the mixing of states when a photon is absorbed in the atom during the time of uncertainty.

A Dirac loop is measured by four dimensional solid angles. It contains a quantum of magnetic flux. When it rotates it creates an electric field of the photon which is reemitted. In five dimensions a Dirac loop is smoothed from a singularity to an artifact with which we can measure coordinates through gauge transformations. The Dirac strings is how we obtain information about the particle. This is how information propagates in our universe with less than the speed of light. The name of the wavefunction comes from the Greek word psili which means thin as a hair.

The Dirac string creates a worldsheet in four dimensions. Through it quantum currents flow and the monopole acts as a source while the antimonopole as a sink. The Dirac loop creates a worldsheet of a torus which is what the Kaluza Klein theory and many higher dimensional theories envisioned.

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